



PATENT
Attorney Docket No. 298689

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Zhifang LI et al.

Application No.: 10/808,060

Filed: March 24, 2004

For: INVERTED-F ANTENNA
CONFIGURATION FOR AN
IMPLANTABLE MEDICAL DEVICE

Examiner: Not yet known

Art Unit: Not yet known

Confirmation No.: Not yet known

Commissioner for Patents
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Under 37 C.F.R. 1.97(b)(3) and 1.98

Sir:

The Information Disclosure Statement submitted herewith is being filed before the mailing date of a first Office action on the merits.

The Examiner is requested to consider the references noted on the enclosed Form PTO/SB/08a during examination of the above-identified patent application. These references are submitted for the Examiner's consideration and are submitted pursuant to the duty of disclosure under 37 C.F.R. § 1.56. In submitting these references, no representation is made or implied that the references are or are not material to the examination of the application. The Examiner is encouraged to make his or her own determination of materiality. In accordance with 37 C.F.R. § 1.98(a)(2)(i), copies of the U.S. references are not provided herewith. Copies of the articles listed on Form PTO/SB/08a are enclosed herewith.

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Pursuant to 37 C.F.R. § 1.97(b)(3), no fees are due with respect to this filing.

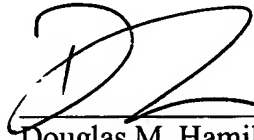
However, should any fees be deemed necessary, such fees may be charged to Deposit

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If the Examiner has any questions concerning the relevance of any reference cited in this disclosure, please contact the undersigned attorney.

Dated: 5/7/2004

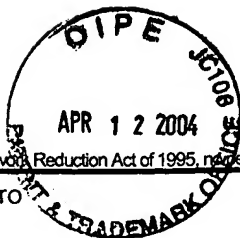
Respectfully submitted,

A handwritten signature in black ink, appearing to be 'DMH', written over a horizontal line.

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PTO/SB/08a (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

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Sheet 1 of 3

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|------------------------|-------------------|
| Application Number | 10/808,060 |
| Filing Date | March 24, 2004 |
| First Named Inventor | Zhifang LI et al. |
| Art Unit | |
| Examiner Name | Not yet known |
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U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|------------------------|--------------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| | | US 2002/0029321 A1 | 10-11-2001 | Beetz et al. | |
| | | US 2002/0013613 A1 | 01-31-2002 | Haller et al. | |
| | | US 2002/0019606 A1 | 02-14-2002 | Lebel et al. | |
| | | US 2002/0019586 A1 | 02-14-2002 | Teller et al. | |
| | | US 2002/0026223 A1 | 02-28-2002 | Riff et al. | |
| | | US 2002/0058906 A1 | 05-16-2002 | Lebel et al. | |
| | | US 2002/0065540 A1 | 05-30-2002 | Lebel et al. | |
| | | US 2002/0065539 A1 | 05-30-2002 | Von Arx et al. | |
| | | US 2002/0065509 A1 | 05-30-2002 | Lebel et al. | |
| | | US 2002/0065454 A1 | 05-30-2002 | Lebel et al. | |
| | | US 2002/0072783 A1 | 06-13-2002 | Goedeke et al. | |
| | | US 2002/0077673 A1 | 06-20-2002 | Penner et al. | |
| | | US 2002/0077672 A1 | 06-20-2002 | Govari et al. | |
| | | US 2002/0077671 A1 | 06-20-2002 | Govari et al. | |
| | | US 2002/0077553 A1 | 06-20-2002 | Govari et al. | |
| | | US 2002/0082665 A1 | 06-27-2002 | Haller et al. | |
| | | US 2002/0087203 A1 | 07-04-2002 | Schmitt et al. | |
| | | US 2002/0091416 A1 | 07-11-2002 | Wassmund et al. | |
| | | US 2002/0099424 A1 | 07-25-2002 | Ferek-Petric | |
| | | US 2002/0099412 A1 | 07-25-2002 | Fischell et al. | |
| | | US 2002/0103514 A1 | 08-01-2002 | Abrahamson | |
| | | US 2002/0111539 A1 | 08-15-2002 | Cosentino et al. | |
| | | US 2002/0116032 A1 | 08-22-2002 | Ferek-Petric | |
| | | US 2002/0123776 A1 | 09-05-2002 | Von Arx et al. | |
| | | US 2002/0123673 A1 | 09/05/2002 | Webb et al. | |
| | | US 2002/0123672 A1 | 09-05-2002 | Christophersom et al. | |
| | | US 2002/0126036 A1 | 09-12-2002 | Flaherty et al. | |
| | | US 2002/0143372 A1 | 10-03-2002 | Snell et al. | |
| | | US 2002/0147388 A1 | 10-10-2002 | Mass et al. | |
| | | US 6,466,810 B1 | 10-15-2002 | Ward et al. | |
| | | US 2002/0151770 A1 | 10-17-2002 | Noll, III et al. | |
| | | US 2002/0156504 A1 | 10-24-2002 | Chen et al. | |
| | | US 2002/0173830 A1 | 11-21-2002 | Starkweather et al. | |
| | | US 2002/0188773 A1 | 12-12-2002 | Augustijn et al. | |
| | | US 2002/0188215 A1 | 12-12-2002 | Ferek-Petric | |
| | | US 2002/0190905 A1 | 12-19-2002 | Flint et al. | |
| | | US 2002/0193846 A1 | 12-19-2002 | Pool et al. | |
| | | US 2002/0193839 A1 | 12-19-2002 | Cho et al. | |
| | | US 2002/0198462 A1 | 12-26-2002 | Begemann | |
| | | US 2003/0009204 A1 | 01-09-2003 | Amundson et al. | |
| | | US 2003/0006898 A1 | 01-09-2003 | Herzberg | |
| | | US 2003/0022637 A1 | 01-30-2003 | Hirota | |
| | | US 2003/0023175 A1 | 01-30-2003 | Arzbaeher et al. | |
| | | US 2003/0028226 A1 | 02-06-2003 | Thompson et al. | |

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 3

Complete if Known

| | |
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| Examiner Name | Not yet known |
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| | | | |
|--|--------------------|------------|---------------------|
| | US 2003/0025645 A1 | 02-06-2003 | Amundson et al. |
| | US 2003/0041866 A1 | 03-06-2003 | Linberg et al. |
| | US 2003/0114897 A1 | 06-19-2003 | Von Arx et al. |
| | US 2003/0114896 A1 | 06-19-2003 | Boute et al. |
| | US 2003/0122718 A1 | 07-03-2003 | Fang et al. |
| | US 2003/0139778 A1 | 07-24-2003 | Fischell et al. |
| | US 2003/0144718 A1 | 07-31-2003 | Zeijlemaker |
| | US 6,602,201 B1 | 08-05-2003 | Hepp et al. |
| | US 2003/0149423 A1 | 08-07-2003 | Fischell et al. |
| | US 6,609,023 B1 | 08-19-2003 | Fischell et al. |
| | US 6,614,406 B2 | 09-02-2003 | Amundson et al. |
| | US 6,622,043 B1 | 09-16-2003 | Kraus et al. |
| | US 6,622,045 B2 | 09-16-2003 | Snell et al. |
| | US 2003/0177031 A1 | 09-18-2003 | Malek |
| | US 2003/0176933 A1 | 09-18-2003 | Lebel et al. |
| | US 2003/0195396 A1 | 10-16-2003 | Scarantino et al. |
| | US 6,636,769 B2 | 10-21-2003 | Govari et al. |
| | US 6,635,014 B2 | 10-21-2003 | Starkweather et al. |
| | US 2003/0199939 A1 | 10-23-2003 | Schmitt et al. |
| | US 6,638,231 B2 | 10-28-2003 | Govari et al. |
| | US 2003/0204216 A1 | 10-30-2003 | Ries et al. |
| | US 6,647,299 B2 | 11-11-2003 | Bourget |
| | US 6,644,322 B2 | 11-11-2003 | Webb |
| | US 6,644,321 B1 | 11-11-2003 | Behm |
| | US 2003/0212441 A1 | 11-13-2003 | Starkweather et al. |
| | US 6,650,944 B2 | 11-18-2003 | Goedeke |
| | US 6,650,941 B2 | 11-18-2003 | Ferek-Petric |
| | US 6,648,823 B2 | 11-18-2003 | Thompson |
| | US 6,648,821 B2 | 11-18-2003 | Lebel et al. |
| | US 2003/0216793 A1 | 11-20-2003 | Karlsson et al. |
| | US 6,658,300 B2 | 12-02-2003 | Govari et al. |
| | US 6,658,283 B1 | 12-02-2003 | Bornzin et al. |
| | US 2003/0222823 A1 | 12-04-2003 | Flint et al. |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|--|-----------------------------------|---|--|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
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|------------------------|--------------------------|---|----------------|
| | | MASSEY, P. J.; "Fabric Antennas for Mobile Telephony Integrated within Clothing," Phillips Research Laboratories, Redhill, UK; 4 pages. | |

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| Sheet 3 of 3 | Attorney Docket Number | 298689 | |

| | | |
|--|--|--|
| | CHEN, Zhi Ning et al.; "A New Inverted F Antenna with a Ring Dielectric Resonator," IEEE Transactions on Vehicular Technology, Vol. 48, No. 4, (July 1999); pages 1029-1032. | |
| | HONG, Wonbin; "Design of Small Inverted F Antenna for Low Frequencies," Department of Electrical and Computer Engineering, Purdue University, 5 pages. | |
| | "Inverted F Antenna," http://www.qsl.net/kb7qhc/antenna/Inverted%20F; (12/4/2003); 2 pages. | |
| | "Film Type Inverted F Antenna," Honda Tsushin Kogyo Co., Ltd., Honda connectors; (June 17, 2003); pages 1-11. | |

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|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
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